

Title (en)

ANTIFERROELECTRIC LIQUID CRYSTAL DISPLAY AND METHOD OF DRIVING

Title (de)

ANTIFERROELEKTRISCHE FLÜSSIGKRISTALLANZEIGE UND VERFAHREN ZUR ANSTEUERUNG

Title (fr)

AFFICHEUR A CRISTAUX LIQUIDES ANTI-FERROELECTRIQUES ET PROCEDE DE COMMANDE

Publication

EP 0992835 A4 20030730 (EN)

Application

EP 99905326 A 19990226

Priority

- JP 9900959 W 19990226
- JP 5768998 A 19980310

Abstract (en)

[origin: EP0992835A1] In a liquid crystal display comprising a liquid crystal panel with an antiferroelectric liquid crystal sandwiched between a pair of substrates having scanning electrodes and signal electrodes, a display driving voltage waveform in which the peak value of a scanning voltage waveform applied during a selection period is set equal to the peak value of a scanning voltage waveform applied during a non-selection period is output as a layer structure controlling voltage waveform for a predetermined length of time. The liquid crystal panel includes a temperature sensor, and in accordance with the information output from the temperature sensor, the display driving voltage waveform with both peak values set equal is output as the layer structure controlling voltage waveform for the predetermined length of time. <IMAGE>

IPC 1-7

G02F 1/133; **G09G 3/36**

IPC 8 full level

G09G 3/36 (2006.01); **G02F 1/133** (2006.01); **G02F 1/141** (2006.01)

CPC (source: EP KR US)

G02F 1/133 (2013.01 - KR); **G09G 3/3633** (2013.01 - EP US); **G02F 1/133382** (2013.01 - EP US); **G02F 1/1412** (2021.01 - EP US); **G09G 2310/06** (2013.01 - EP US); **G09G 2320/041** (2013.01 - EP US)

Citation (search report)

- [A] EP 0768557 A1 19970416 - CITIZEN WATCH CO LTD [JP]
- [A] PATENT ABSTRACTS OF JAPAN vol. 017, no. 024 (P - 1471) 18 January 1993 (1993-01-18)
- See references of WO 9946634A1

Cited by

US6339416B1; US6888527B2

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DOCDB simple family (publication)

EP 0992835 A1 20000412; **EP 0992835 A4 20030730**; **EP 0992835 B1 20050112**; CN 1180289 C 20041215; CN 1256761 A 20000614; DE 69923135 D1 20050217; KR 20010012211 A 20010215; TW 554203 B 20030921; US 2002027544 A1 20020307; US 6339416 B1 20020115; US 6888527 B2 20050503; WO 9946634 A1 19990916

DOCDB simple family (application)

EP 99905326 A 19990226; CN 99800266 A 19990226; DE 69923135 T 19990226; JP 9900959 W 19990226; KR 19997010160 A 19991103; TW 88103482 A 19990306; US 42346599 A 19991109; US 98179101 A 20011019